



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink-L20

Issued: 9 March 2021 / 0830L (1330Z)

Valid: 9 March 2021 / 2058-2259L (10/0158-0359Z)



Forecast Discussion: Another partly cloudy day with gusty onshore winds tapering off after sunset is expected along the Space Coast. The primary weather concerns for a launch attempt this evening are liftoff winds and the Cumulus Cloud Rule associated with the onshore flow.

On Wednesday, conditions will remain much the same as high pressure continues to dominate the area with persistent onshore flow. The primary weather concerns remain liftoff winds and the Cumulus Cloud Rule.

Launch Day	Probability of Violating Weather Constraints							
	10%	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule						
	Weather Conditions						Additional Risk Criteria	
	Weather/Visibility:	None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	62°F / 80%	Cumulus	Few	3,500	5,000	Booster Recovery Weather:	Low
	Liftoff Winds (200'):	070° 15 - 20 mph	Cirrostratus	Few	28,000	30,000	Solar Activity:	Low
24-Hour Delay	Probability of Violating Weather Constraints							
	20%	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule						
	Weather Conditions						Additional Risk Criteria	
	Weather/Visibility:	None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	64°F / 80%	Cumulus	Scattered	3,500	5,000	Booster Recovery Weather:	Low
	Liftoff Winds (200'):	090° 17 - 22 mph	Cirrostratus	Scattered	25,000	28,000	Solar Activity:	Low
Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.								
Next Forecast Will Be Issued		As Required						